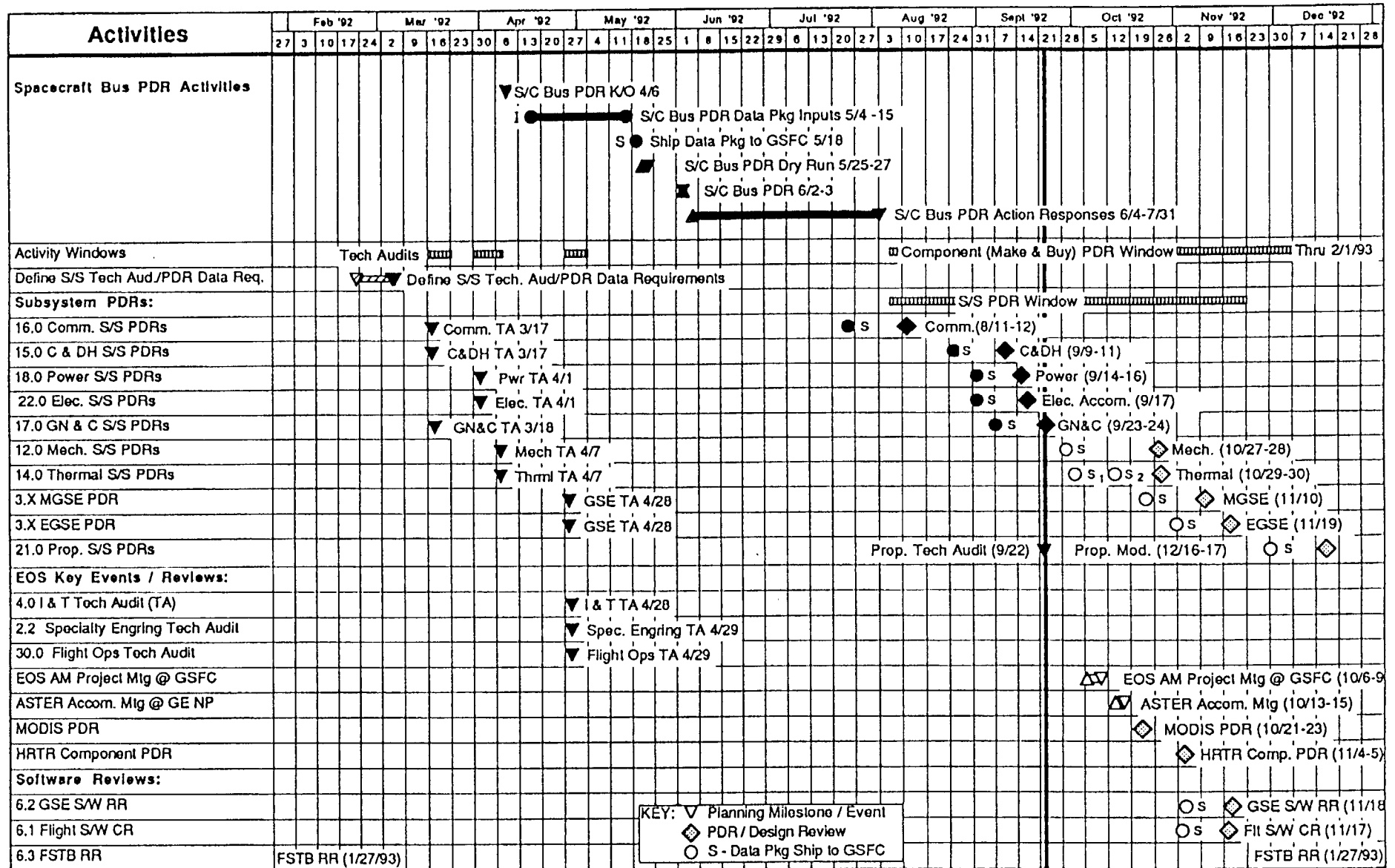


EOS AM 1992 PDR / KEY EVENTS SCHEDULE



CHARTER

- **CONSTRAINTS**

- NO DELAY TO THE JUNE 1998 LAUNCH READINESS DATE
- MAINTAIN THE INSTRUMENT COMPLEMENT AND SCIENCE IDENTIFIED THROUGH THE RESTRUCTURED PROGRAM TO THE MAXIMUM EXTENT PRACTICABLE
- TO THE MAXIMUM EXTENT POSSIBLE MEET
 - SCIENCE REQUIREMENTS DOCUMENTED BY THE INTERGOVERNMENTAL PANEL OF CLIMATE CHANGE (IPCC)
 - THE MEASUREMENT CAPABILITIES SHALL, WHERE APPLICABLE, BE EQUAL TO OR GREATER THAN THOSE PROVIDED DURING PHASE 1 OF MISSION TO PLANET EARTH
 - NASA'S COMMITMENT TO PROVIDE SPACE MEASUREMENTS TO THE UNITED STATES GLOBAL CHANGE RESEARCH PROGRAM

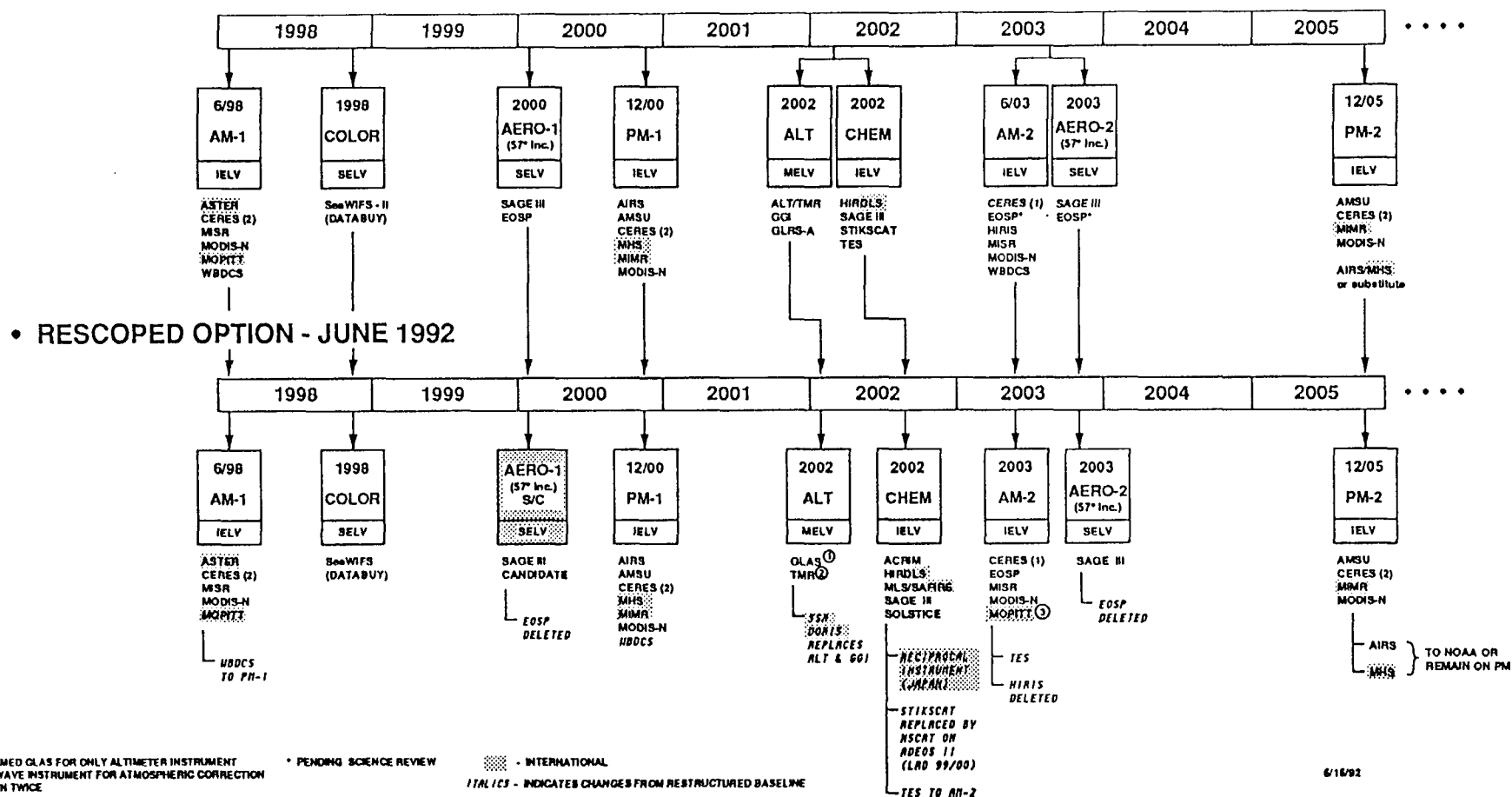
- **OBJECTIVES**

- REDUCE THE EOS BUDGET THROUGH THE YEAR 2000 FROM THE \$11 BILLION RESULTING FROM THE EOS RESTRUCTURING ACTIVITY OF 1991 TO \$8 BILLION
- REDUCE THE FY 1994 BUDGET REQUEST BY 30%
- REDUCE THE TOTAL COST FROM FY 1995 THROUGH FY 2000 BY AN AVERAGE OF 30%

EOS Mission Launch Profile Crosswalk Restructured Baseline vs. Rescoped Option

• RESTRUCTURED BASELINE LAUNCH PROFILE - DECEMBER 1991

- ACRIM, SOLSTICE AND EITHER MLS OR SAFIRE - FLIGHTS OF OPPORTUNITY (FOO)
- SEQUENCE REPEATED UNTIL EACH FLIGHT FLOWN THREE TIMES



SUMMARY

- **MAJOR SAVINGS WERE REALIZED AS FOLLOWS:**

- IMPLEMENTING A COMMON SPACECRAFT APPROACH FOR PM-1 AND LATER
 - AERO AND ALT SPACECRAFT WOULD BE UNIQUE
- COST DRIVEN APPROACH ADOPTED FOR THE FIRST UNIT OF MULTIPLE INSTRUMENT BUILDS
- COST DRIVEN APPROACH ADOPTED FOR DEVELOPMENT OF ALGORITHMS BY LIMITING THE AVAILABLE AT-LAUNCH PRODUCTS

THIS REDUCED FUNDING REQUIREMENTS AND CONTINGENCY WITH MINIMAL IMPACT TO SCIENCE OR RISK

- **TO ACHIEVE THE FULL 30% REDUCTION IT WILL BE NECESSARY TO IMPACT SCIENCE AND RISK**

- ALL ASPECTS OF EOS MUST BE REDUCED
- REDUCE CONTINGENCY IN EARLY YEARS
- HIRIS WOULD BE DELETED: REQUIREMENTS COULD BE LEVIED ON LANDSAT 8; EVALUATING HIRIS-2

- **GREATER RELIANCE ON NOT YET NEGOTIATED AGREEMENTS WITH INTERNATIONAL OR OTHER AGENCY PARTNERS WOULD BE REQUIRED**

- **IMPROVEMENTS WERE REALIZED**

- STICKSCAT COULD BE ADVANCED TO A 1999 OR 2000 LRD
- ACRIM, MLS/SAFIRE, SOLSTICE COULD BE ACCOMMODATED